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Term	Documents
4.CLM..USPT,PGPB.	11
(L4.CLM.).USPT,PGPB.	11

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DATE: Saturday, September 13, 2003 [Printable Copy](#) [Create Case](#)
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DB=USPT,PGPB; PLUR=YES; OP=ADJ

<u>L5</u>	L4.clm.	11	<u>L5</u>
<u>L4</u>	'IL-22'	45	<u>L4</u>
<u>L3</u>	('t cell inducible factor')	10	<u>L3</u>
<u>L2</u>	dumoutier.in.	10	<u>L2</u>
<u>L1</u>	daumtier.in.	0	<u>L1</u>

END OF SEARCH HISTORY

WEST[Help](#)[Logout](#)[Interrupt](#)[Main Menu](#)[Search Form](#)[Posting Counts](#)[Show S Numbers](#)[Edit S Numbers](#)[Preferences](#)[Cases](#)**Search Results -**

Term	Documents
4.CLM..USPT,PGPB.	11
(L4.CLM.).USPT,PGPB.	11

Database:

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Search:

L5

[Refine Search](#)[Recall Text](#)[Clear](#)**Search History**
DATE: Saturday, September 13, 2003 [Printable Copy](#) [Create Case](#)
Set Name
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Query
Hit Count **Set Name**
 result set
DB=USPT,PGPB; PLUR=YES; OP=ADJ

<u>L5</u>	L4.clm.	11	<u>L5</u>
<u>L4</u>	'IL-22'	45	<u>L4</u>
<u>L3</u>	('t cell inducible factor')	10	<u>L3</u>
<u>L2</u>	dumoutier.in.	10	<u>L2</u>
<u>L1</u>	daumtier.in.	0	<u>L1</u>

END OF SEARCH HISTORY

WEST[Generate Collection](#)[Print](#)**Search Results - Record(s) 1 through 10 of 10 returned.**☐ 1. Document ID: US 20030158100 A1

L2: Entry 1 of 10

File: PGPB

Aug 21, 2003

PGPUB-DOCUMENT-NUMBER: 20030158100

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030158100 A1

TITLE: Isolated cytokine receptor LICR-2

PUBLICATION-DATE: August 21, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Renauld, Jean-Christophe	Brussels		BE	
Fickenschner, Helmut	Erlangen-Nurnberg		DE	
Dumoutier, Laure	Brussels		BE	
Hor, Simon	Erlangen-Nurnberg		DE	

US-CL-CURRENT: [514/12](#); [435/320.1](#), [435/325](#), [435/69.1](#), [530/350](#), [536/23.5](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw Desc	Image
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☐ 2. Document ID: US 20030067654 A1

L2: Entry 2 of 10

File: PGPB

Apr 10, 2003

PGPUB-DOCUMENT-NUMBER: 20030067654

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030067654 A1

TITLE: Electro-optical inclination detector and device comprising such a detector for generating an alarm as a function of the inclination of the body, or of a part of the body, of an individual

PUBLICATION-DATE: April 10, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Dumoutier, Gerard	Sallanches		FR	
Zozime, Alain	Fontainebleau		FR	

US-CL-CURRENT: [398/106](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw Desc	Image
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☐ 3. Document ID: US 20030023033 A1

L2: Entry 3 of 10

File: PGPB

Jan 30, 2003

PGPUB-DOCUMENT-NUMBER: 20030023033
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030023033 A1

TITLE: Novel class II cytokine receptors and uses thereof

PUBLICATION-DATE: January 30, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
<u>Dumoutier</u> , Laure	Brussels		BE	
Renauld, Jean-Christophe	Brussels		BE	

US-CL-CURRENT: 530/350; 424/144.1, 530/388.22

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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RMIC	Draw Desc	Image
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☐ 4. Document ID: US 20030012788 A1

L2: Entry 4 of 10

File: PGPB

Jan 16, 2003

PGPUB-DOCUMENT-NUMBER: 20030012788
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030012788 A1

TITLE: Method for influencing kinase pathways with IL-22

PUBLICATION-DATE: January 16, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Renauld, Jean-Christophe	Brussels		BE	
Lejeune, Diane	Brussels		US	
<u>Dumoutier</u> , Laure			BE	

US-CL-CURRENT: 424/145.1; 435/6, 435/7.21

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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RMIC	Draw Desc	Image
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☐ 5. Document ID: US 20020187512 A1

L2: Entry 5 of 10

File: PGPB

Dec 12, 2002

PGPUB-DOCUMENT-NUMBER: 20020187512
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020187512 A1

TITLE: Crystal structure of human interleukin-22

PUBLICATION-DATE: December 12, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Nagem, Ronaldo Alves Pinto	Campinas	NY	BR	
Polikarpov, Igor	Sao Carlos	NY	BR	
Renauld, Jean Christophe	New York	NY	US	
Colau, Didier	New York		US	
Dumoutier, Laure	New York		US	

US-CL-CURRENT: 435/7.1; 435/69.52, 702/19

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KIMC	Draw Desc	Image
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☐ 6. Document ID: US 20010024652 A1

L2: Entry 6 of 10

File: PGPB

Sep 27, 2001

PGPUB-DOCUMENT-NUMBER: 20010024652

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010024652 A1

TITLE: Isolated nucleic acid molecules which encode T cell inducible factors (TIFs), the proteins encoded, and used thereof

PUBLICATION-DATE: September 27, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Dumoutier, Laure	Brussels		BE	
Louahed, Jamila	Brussels		BE	
Renauld, Jean-Christophe	Brussels		BE	

US-CL-CURRENT: 424/195.11; 435/325, 435/69.5, 536/23.5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KIMC	Draw Desc	Image
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☐ 7. Document ID: US 6359117 B1

L2: Entry 7 of 10

File: USPT

Mar 19, 2002

US-PAT-NO: 6359117

DOCUMENT-IDENTIFIER: US 6359117 B1

**** See image for Certificate of Correction ****

TITLE: Isolated nucleic acid molecules which encode T cell inducible factors (TIFs), the proteins encoded, and uses therefor

DATE-ISSUED: March 19, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Dumoutier, Laure	Brussels			BE
Louhed, Jamila	Brussels			BE
Renauld, Jean-Christophe	Brussels			BE

US-CL-CURRENT: 530/351; 530/350

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 8. Document ID: US 6331613 B1

L2: Entry 8 of 10

File: USPT

Dec 18, 2001

US-PAT-NO: 6331613

DOCUMENT-IDENTIFIER: US 6331613 B1

**** See image for Certificate of Correction ****

TITLE: Isolated nucleic acid molecules which encode T cell inducible factors (TIFS), the proteins encoded, and uses thereof

DATE-ISSUED: December 18, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
<u>Dumoutier</u> ; Laure	Brussels			BE
Louhed; Jamila	Brussels			BE
Renauld; Jean-Christophe	Brussels			BE

US-CL-CURRENT: 536/23.5; 435/252.3, 435/254.11, 435/320.1, 435/325, 435/69.1, 435/69.52

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 9. Document ID: US 6274710 B1

L2: Entry 9 of 10

File: USPT

Aug 14, 2001

US-PAT-NO: 6274710

DOCUMENT-IDENTIFIER: US 6274710 B1

**** See image for Certificate of Correction ****

TITLE: Antibodies which specifically bind T Cell inducible factors (TIFs)

DATE-ISSUED: August 14, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
<u>Dumoutier</u> ; Laure	Brussels			BE
Louhed; Jamila	Brussels			BE
Renauld; Jean-Christophe	Brussels			BE

US-CL-CURRENT: 530/387.9; 530/387.1, 530/387.3, 530/388.1, 530/388.23, 530/389.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 10. Document ID: US RE33194 E

L2: Entry 10 of 10

File: USPT

Apr 10, 1990

US-PAT-NO: RE33194

DOCUMENT-IDENTIFIER: US RE33194 E

TITLE: Orthopedic device for aligning joints

DATE-ISSUED: April 10, 1990

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Marck; Thierry	74700 Sallanches			FR
<u>Dumoutier</u> ; Gerard M.	74700 Sallanches			FR

US-CL-CURRENT: 602/29

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KIMC	Draw Desc	Image
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Term	Documents
DUMOUTIER	25
DUMOUTIERS	0
DUMOUTIER.IN..USPT,PGPB.	10
(DUMOUTIER.IN.).USPT,PGPB.	10

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L3: Entry 1 of 10

File: PGPB

Aug 21, 2003

PGPUB-DOCUMENT-NUMBER: 20030157096

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030157096 A1

TITLE: Soluble Zcytor11 cytokine receptors

PUBLICATION-DATE: August 21, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Kindsvogel, Wayne R.	Seattle	WA	US	
Topouzis, Stavros	Seattle	WA	US	

US-CL-CURRENT: [424/143.1](#); [435/320.1](#), [435/325](#), [435/69.1](#), [514/12](#), [530/350](#), [530/388.22](#), [536/23.2](#)[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#)[KIMC](#) | [Draw Desc](#) | [Image](#)☐ 2. Document ID: US 20030099608 A1

L3: Entry 2 of 10

File: PGPB

May 29, 2003

PGPUB-DOCUMENT-NUMBER: 20030099608

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030099608 A1

TITLE: Human cytokine receptor

PUBLICATION-DATE: May 29, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Presnell, Scott R.	Tacoma	WA	US	
Xu, Wenfeng	Mukilteo	WA	US	
Kindsvogel, Wayne	Seattle	WA	US	
Chen, Zhi	Bellevue	WA	US	
Hughes, Steven D.	Seattle	WA	US	

US-CL-CURRENT: [424/85.1](#); [435/320.1](#), [435/325](#), [435/69.5](#), [530/351](#), [536/23.5](#)[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#)[KIMC](#) | [Draw Desc](#) | [Image](#)☐ 3. Document ID: US 20030077706 A1

L3: Entry 3 of 10

File: PGPB

Apr 24, 2003

PGPUB-DOCUMENT-NUMBER: 20030077706
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030077706 A1

TITLE: Mouse cytokine receptor

PUBLICATION-DATE: April 24, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Presnell, Scott R.	Tacoma	WA	US	
Xu, Wenfeng	Mukilteo	WA	US	
Kindsvogel, Wayne	Seattle	WA	US	
Chen, Zhi	Bellevue	WA	US	

US-CL-CURRENT: 435/69.1; 435/320.1, 435/325, 435/6, 530/350, 536/23.5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 4. Document ID: US 20030012788 A1

L3: Entry 4 of 10

File: PGPB

Jan 16, 2003

PGPUB-DOCUMENT-NUMBER: 20030012788
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030012788 A1

TITLE: Method for influencing kinase pathways with IL-22

PUBLICATION-DATE: January 16, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Renauld, Jean-Christophe	Brussels		BE	
Lejeune, Diane	Brussels		US	
Dumoutier, Laure			BE	

US-CL-CURRENT: 424/145.1; 435/6, 435/7.21

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 5. Document ID: US 20020187512 A1

L3: Entry 5 of 10

File: PGPB

Dec 12, 2002

PGPUB-DOCUMENT-NUMBER: 20020187512
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020187512 A1

TITLE: Crystal structure of human interleukin-22

PUBLICATION-DATE: December 12, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Nagem, Ronaldo Alves Pinto	Campinas	NY	BR	
Polikarpov, Igor	Sao Carlos	NY	BR	
Renauld, Jean Christophe	New York	NY	US	
Colau, Didier	New York		US	
Dumoutier, Laure	New York		US	

US-CL-CURRENT: 435/7.1; 435/69.52, 702/19

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KIMC	Draw Desc	Image
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☐ 6. Document ID: US 20020012669 A1

L3: Entry 6 of 10

File: PGPB

Jan 31, 2002

PGPUB-DOCUMENT-NUMBER: 20020012669

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020012669 A1

TITLE: Human cytokine receptor

PUBLICATION-DATE: January 31, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Presnell, Scott R	Tacoma	WA	US	
Xu, Wenfeng	Mukilteo	WA	US	
Kindsvogel, Wayne	Seattle	WA	US	
Chen, Zhi	Seattle	WA	US	

US-CL-CURRENT: 424/192.1; 435/252.1, 435/254.1, 435/255.1, 435/317.1, 435/326,
435/348, 435/410, 435/6, 435/69.1, 435/7.1, 514/12, 530/350, 530/387.2, 530/387.3,
530/388.1, 530/389.1, 530/391.1, 536/23.5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KIMC	Draw Desc	Image
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☐ 7. Document ID: US 20010024652 A1

L3: Entry 7 of 10

File: PGPB

Sep 27, 2001

PGPUB-DOCUMENT-NUMBER: 20010024652

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010024652 A1

TITLE: Isolated nucleic acid molecules which encode T cell inducible factors (TIFs),
the proteins encoded, and used thereof

PUBLICATION-DATE: September 27, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Dumoutier, Laure	Brussels		BE	
Louahed, Jamila	Brussels		BE	
Renauld, Jean-Christophe	Brussels		BE	

US-CL-CURRENT: [424/195.11](#); [435/325](#), [435/69.5](#), [536/23.5](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KM/C	Draw Desc	Image
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☐ 8. Document ID: US 6359117 B1

L3: Entry 8 of 10

File: USPT

Mar 19, 2002

US-PAT-NO: 6359117

DOCUMENT-IDENTIFIER: US 6359117 B1

**** See image for Certificate of Correction ****TITLE: Isolated nucleic acid molecules which encode T cell inducible factors (TIFs), the proteins encoded, and uses therefor

DATE-ISSUED: March 19, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Dumoutier; Laure	Brussels			BE
Louhed; Jamila	Brussels			BE
Renauld; Jean-Christophe	Brussels			BE

US-CL-CURRENT: [530/351](#); [530/350](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KM/C	Draw Desc	Image
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☐ 9. Document ID: US 6331613 B1

L3: Entry 9 of 10

File: USPT

Dec 18, 2001

US-PAT-NO: 6331613

DOCUMENT-IDENTIFIER: US 6331613 B1

**** See image for Certificate of Correction ****TITLE: Isolated nucleic acid molecules which encode T cell inducible factors (TIFS), the proteins encoded, and uses thereof

DATE-ISSUED: December 18, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Dumoutier; Laure	Brussels			BE
Louhed; Jamila	Brussels			BE
Renauld; Jean-Christophe	Brussels			BE

US-CL-CURRENT: [536/23.5](#); [435/252.3](#), [435/254.11](#), [435/320.1](#), [435/325](#), [435/69.1](#), [435/69.52](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KM/C	Draw Desc	Image
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☐ 10. Document ID: US 6274710 B1

L3: Entry 10 of 10

File: USPT

Aug 14, 2001

US-PAT-NO: 6274710

DOCUMENT-IDENTIFIER: US 6274710 B1

**** See image for Certificate of Correction ****TITLE: Antibodies which specifically bind T Cell inducible factors (TIFs)

DATE-ISSUED: August 14, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Dumoutier; Laure	Brussels			BE
Louhed; Jamila	Brussels			BE
Renauld; Jean-Christophe	Brussels			BE

US-CL-CURRENT: 530/387.9; 530/387.1, 530/387.3, 530/388.1, 530/388.23, 530/389.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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Term	Documents
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"T CELL INDUCIBLE FACTOR".USPT,PGPB.	10
((("T CELL INDUCIBLE FACTOR"))).USPT,PGPB.	10

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L3: Entry 6 of 10

File: PGPB

Jan 31, 2002

DOCUMENT-IDENTIFIER: US 20020012669 A1

TITLE: Human cytokine receptor

Summary of Invention Paragraph (305):

[0302] Moreover, we have shown that the zcytor16 receptor binds a ligand called T-cell inducible Factor (IL-TIF) (SEQ ID NO:15; Dumoutier, L. et al., Proc. Nat'l. Acad. Sci. 97:10144-10149, 2000; mouse IL-TIF sequence is shown in Dumontier et al., J. Immunol. 164:1814-1819, 2000). Moreover, commonly owned zcytor11 (U.S. Pat. No. 5,965,704) and CRF2-4 receptor also bind IL-TIF (See, WIPO publication WO 00/24758; Dumontier et al., J. Immunol. 164:1814-1819, 2000; Spencer, SD et al., J. Exp. Med. 187:571-578, 1998; Gibbs, VC and Pennica Gene 186:97-101, 1997 (CRF2-4 cDNA); Xie, MH et al., J. Biol. Chem. 275: 31335-31339, 2000; and Kotenko, SV et al., J. Biol. Chem. manuscript in press M007837200). Moreover, IL-10.beta. receptor may be involved as a receptor for IL-TIF, and it is believed to be synonymous with CRF2-4 (Dumoutier, L. et al., Proc. Nat'l. Acad. Sci. 97:10144-10149, 2000; Liu Y et al, J Immunol. 152; 1821-1829, 1994 (IL-10R cDNA). Within preferred embodiments, the soluble receptor form of zcytor16, residues 22-231 of SEQ ID NO:2, (SEQ ID NO:13) is a monomer, homodimer, heterodimer, or multimer that antagonizes the effects of IL-TIF in vivo. Antibodies and binding polypeptides to such zcytor16 monomer, homodimer, heterodimer, or multimers also serve as antagonists of zcytor16 activity.

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L3: Entry 5 of 10

File: PGPB

Dec 12, 2002

DOCUMENT-IDENTIFIER: US 20020187512 A1

TITLE: Crystal structure of human interleukin-22

Summary of Invention Paragraph (17):

[0015] The present invention provides methods for identifying a mammalian IL-22 mutant with modified ability to dimerize, said method comprising the steps of: (a) constructing a three-dimensional structure of IL-22 defined by the atomic coordinates shown in Table 4; (b) employing the three-dimensional structure and modeling methods to identify an amino acid involved in stabilizing a dimer of IL-22; (c) producing a mammalian IL-22 having a mutation at an amino acid identified in (b); and (d) assaying said mutant IL-22 to determine the ability of said mutant to dimerize as compared to an IL-22 control, wherein a difference in dimerization between said mutant and said control is indicative of a modified ability to dimerize. As used herein, "IL-22", "T-cell-inducible factor (TIF)" and "IL-TIF/IL-22" each refer to a cytokine of about 20 kDa that has an N-terminal hydrophobic signal peptide amino acid sequence homology to interleukin 10 (IL-10), and is upregulated by interleukin-9 (IL-9) in T cells and mast cells. See, e.g., Dumoutier et al. (2000) J. Immunol. 164: 1814-1819. As used herein, "mammalian IL-22" or "IL-22" refers to a mammalian cytokine of about 20 kDa, which has an N-terminal hydrophobic signal peptide, amino acid sequence homology to interleukin 10 (IL-10), and is upregulated by interleukin-9 (IL-9) in T cells and mast cells. Preferably, mammalian IL-22 is from, for example, human, horses, cows, sheep, goats, cats, dogs, pigs, rats and mice. More preferably, mammalian IL-22 is human IL-22 (IL-22). In a preferred embodiment, "human IL-22" consists of the amino acid sequence of SEQ ID NO: 2.

WEST

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L3: Entry 4 of 10

File: PGPB

Jan 16, 2003

DOCUMENT-IDENTIFIER: US 20030012788 A1

TITLE: Method for influencing kinase pathways with IL-22

Summary of Invention Paragraph (4):

[0003] Interleukin-22, or "IL-22" hereafter, is an IL-10 related cytokine, that had previously been referred to as "TIF" or "IL-TIF" for "interleukin-10 related, T cell inducible factor." See U.S. Pat. Nos. 6,359,117; 6,331,163 and 6,274,710, as well as Dumoutier, et al., J. Immunol 164:1814-1819 (2000), all of which are incorporated by reference in their entirety. The molecule belongs to a family of cytokines with limited homology to IL-10, including IL-10, IL-22, mda-7/IL-24, IL-19, IL-20 and AK155/IL-26. See Moore, et al., Annu. Rev. Immunol 19:683-765 (2001); Dumoutier, et al., Eur. Cytokine Netw 13(1):5-15 (2002). The cytokine shows 22% amino acid identity with IL-10. Functionally, IL-22 activities which have been identified include upregulation of acute-phase reactants in liver and hepatoma cells (Dumoutier, et al., supra,) as well as induction of pancreatitis-associated protein (PAP 1), in pancreatic acinar cells (Aggarwal, et al., J. Interferon Cytokine Res. 21:1047-1053 (2001)), suggesting a role for the cytokine in inflammatory processes. In addition, IL-22 has been shown to induce STAT activation in several cell lines, including mesangial cells, lung and intestinal epithelial cells, melanomas, and hepatomas. See Dumoutier, et al., supra; Dumoutier, et al., Proc. Natl. Acad. Sci USA 97:10144-10149 (2000); also see patent application Ser. No. 09/626,617, filed Jul. 27, 2000, incorporated by reference which referred to "TIF" as IL-21; however, the molecule has been renamed as IL-22.

End of Result Set

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L5: Entry 11 of 11

File: USPT

Apr 22, 2003

US-PAT-NO: 6551799

DOCUMENT-IDENTIFIER: US 6551799 B2

TITLE: Interleukin-22 polypeptides, nucleic acids encoding the same and methods for the treatment of pancreatic disorders

DATE-ISSUED: April 22, 2003

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APPL-NO: 09/ 870574 [PALM]

DATE FILED: May 30, 2001

PARENT-CASE:

This application claims the benefit of Provisional application Ser. No. 60/169,495, filed Dec. 7, 1999.

INT-CL: [07] C12 P 21/04, C12 N 15/00, C12 N 5/00, C07 K 17/00

US-CL-ISSUED: 435/69.52; 435/320.1, 435/325, 530/351

US-CL-CURRENT: 435/69.52; 435/320.1, 435/325, 530/351

FIELD-OF-SEARCH: 435/69.52, 435/320.1, 435/325, 530/351

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected

Search ALL

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	<u>6331613</u>	December 2001	Dumoutier et al.	435/252.3
<input type="checkbox"/>	<u>6359117</u>	March 2002	Dumoutier et al.	530/350

FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
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ART-UNIT: 1646

PRIMARY-EXAMINER: Eyler; Yvonne

ASSISTANT-EXAMINER: Andres; Janet L.

ATTY-AGENT-FIRM: Carpenter; David A.

ABSTRACT:

The present invention is directed to interleukin-22 polypeptides and nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

6 Claims, 11 Drawing figures

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- ☐ 11. 6551799. 30 May 01; 22 Apr 03. Interleukin-22 polypeptides, nucleic acids encoding the same and methods for the treatment of pancreatic disorders. Gurney; Austin L., et al. 435/69.52; 435/320.1 435/325 530/351. C12P021/04 C12N015/00 C12N005/00 C07K017/00.
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Term	Documents
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(L4.CLM.).USPT,PGPB.	11

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